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(54) Title: COMPOSITION, METHOD AND PHARMACEUTICAL PREPARATION FOR PHARMACEUTICAL SPRAY SUS-
PENSIONS

(57) Abstract: The present invention provides, according to a first aspect a pharmaceutical composition, constituting a spray sus-
pension comprising at least one liquid excipient and at least one solid excipient which essentially is insoluble in the liquid excipient,
and at least one pharmaceutical active ingredient. According to a second aspect of the present invention, there is provided a method
of preparing porous suspension particles (including an active ingredient), wherein it comprises the steps of ; a. wet-milling or
dry-milling the solid excipient(s) or a mixture of at least one active ingredient and a solid excipient(s) in a milling equipment in-
ducing essentially compression and shear forces, resulting in fine particulate quality, where more than 90 % by weight is smaller
than 5 µm and preferably smaller than 2 µm; and b. drying and aggregating the product of step a. or the product of step a. with the
addition of at least one active ingredient, in fine particulate form, by e.g. spray-drying or any other drying procedure possible, which
will produce essentially isodiametrical aggregate particles. According to a third aspect of the present invention, there is provided a
suspension particles obtainable by a method according to the second aspect. According to a fourth aspect of the present invention,
there is provided a pharmaceutical preparation, utilising the composition according to the first aspect or porous suspension particles
according to the third aspect wherein the preparation is a cutaneous spray, an ear spray or a nasal spray. According to a fifth aspect
of the present invention there is provided a method for treatment of disorders using the above spray preparation.

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